

Fig. 2(B) is a drawing showing a pressure equalization step of the PSA process according to the present invention;

Fig. 2(C) is a drawing showing a vacuum regeneration step of the PSA process according to the present invention;

Fig. 2(D) is a drawing showing a purge regeneration step of the PSA process according to the present invention;

Fig. 2(E) is a drawing showing a pressure equalization step of the PSA process according to the present invention;

In the Claims

Please amend the claims as follows. The claims are amended in accordance with 37 C.F.R. §1.121. No new matter has been added.

Sub. C1  
B2  
6. (Amended) An adsorption column packed with an adsorbent for separating and collecting oxygen from an air by a pressure swing adsorption separation process comprising: an adsorption column that is formed such that a superficial velocity  $u$  [m/s] is set to be within a range of  $\pm 25\%$  of  $u = 0.07a + 0.095$ , wherein " $a$ " [mm] being the diameter of the adsorbent in case of said particles of said adsorbent having a spherical shape, or an equivalent diameter in case of said particles of said adsorbent having a cylindrical shape, an elliptic spherical shape or an elliptic cylindrical shape.

Please cancel claims 1-5, 9 and 13-15 without prejudice or disclaimer.